

Attach Page 8
09/529,458

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PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

***** STN Columbus *****

FILE 'HOME' ENTERED AT 14:47:44 ON 02 NOV 2000

=> file medline

=> marine microorganism#

11880 MARINE
125 MARINES
11960 MARINE
(MARINE OR MARINES)
21351 MICROORGANISM#
L1 38 MARINE MICROORGANISM#
(MARINE(W)MICROORGANISM#)

=> expression librar?

414412 EXPRESSION
7373 EXPRESSIONS
418226 EXPRESSION
(EXPRESSION OR EXPRESSIONS)
43854 LIBRAR?
L2 2173 EXPRESSION LIBRAR?
(EXPRESSION(W)LIBRAR?)

=> expression (library or libraries)

MISSING OPERATOR 'XPRESSION (LIBRARY'
The search profile that was entered contains terms or
nested terms that are not separated by a logical operator.

=> expression(a)(library or libraries)

414412 EXPRESSION
7373 EXPRESSIONS
418226 EXPRESSION
(EXPRESSION OR EXPRESSIONS)
38774 LIBRARY
10428 LIBRARIES
43746 LIBRARY
(LIBRARY OR LIBRARIES)
10428 LIBRARIES
L3 2203 EXPRESSION(A)(LIBRARY OR LIBRARIES)

1857938 3
L4 1255862 1 AND 3

=> 11 and 13

L5 0 L1 AND L3

=> thermophile#

L6 772 THERMOPHILE#

=> 6 and 3

1146113 6

1857938 3

L7 659776 6 AND 3

=> 16 and 13

L8 3 L6 AND L3

=> d his

(FILE 'HOME' ENTERED AT 14:47:44 ON 02 NOV 2000)

FILE 'MEDLINE' ENTERED AT 14:47:53 ON 02 NOV 2000

L1 38 MARINE MICROORGANISM#

L2 2173 EXPRESSION LIBRAR?

L3 2203 EXPRESSION(A)(LIBRARY OR LIBRARIES)

L4 1255862 1 AND 3

L5 0 L1 AND L3

L6 772 THERMOPHILE#

L7 659776 6 AND 3

L8 3 L6 AND L3

=> file caplus embase biosis

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	2.37	2.52

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dup rem 18.19

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	7.80	10.32

FILE 'MEDLINE' ENTERED AT 14:51:51 ON 02 NOV 2000

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 PROCESSING COMPLETED FOR L8
 PROCESSING COMPLETED FOR L9
 L10 3 DUP REM L8 L9 (9 DUPLICATES REMOVED)

=> d kwic ibib tot

L10 ANSWER 1 OF 3 MEDLINE DUPLICATE 1
 TI Identification, cloning and expression of p25, an AT-rich DNA-binding
 protein from the extreme ***thermophile***, *Thermus aquaticus* YT-1.
 AB . . . was identified to bind preferentially to AT-rich DNA. The gene
 encoding p25 was cloned and sequenced after immunoscreening *T.aquaticus*
 YT-1 ***expression*** ***libraries***. The deduced primary
 structure of p25 is 211 amino acids in length with a molecular weight of
 23 225 Da. . .

ACCESSION NUMBER: 1999177334 MEDLINE

DOCUMENT NUMBER: 99177334

TITLE: Identification, cloning and expression of p25, an AT-rich
 DNA-binding protein from the extreme ***thermophile***,
Thermus aquaticus YT-1.

AUTHOR: Du X; P'ene J J

CORPORATE SOURCE: Department of Biological Sciences, University of Delaware,
 Newark, DE 19716, USA.. xdl1@columbia.edu

SOURCE: NUCLEIC ACIDS RESEARCH. (1999 Apr 1) 27 (7) 1690-7.
 Journal code: O8L. ISSN: 0305-1048.

PUB. COUNTRY: ENGLAND: United Kingdom
 Journal: Article: (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals: Cancer Journals

OTHER SOURCE: GENBANK-AF061257

ENTRY MONTH: 199908

ENTRY WEEK: 19990802

L10 ANSWER 2 OF 3 MEDLINE

... report, a thermostable CDH from the thermophilic ascomycete
Sporotrichum ***thermophile*** has been purified, cloned, and

characterized. The temperature optimum for this CDH reaction was 60 degrees C, and the activation... temperature increased. These kinetic properties prove that this CDH is truly thermophilic. A 2.8-kb cDNA was isolated by screening an ***expression*** ***library*** of S. ***thermophile*** with a polyclonal antisera raised against Phanerochaete chrysosporium CDH. The cDNA encoded an 807-amino-acid protein with a predicted mass of 86.332 Da. S. ***thermophile*** CDH is organized into three domains, an N-terminal flavin domain, a middle heme domain, and a C-terminal cellulose-binding domain, which... the XRXPXTDXPSXDGXRY motif in the flavin domain were identified as CDH-specific motifs. With regard to the amino acid composition, S. ***thermophile*** CDH has more disulfide linkages and acidic and basic amino acids compared to CDHs from P. chrysosporium and T. versicolor..

ACCESSION NUMBER 1999262067 MEDLINE
DOCUMENT NUMBER: 99262067
TITLE: Cloning and characterization of a thermostable cellobiose dehydrogenase from Sporotrichum ***thermophile***
AUTHOR: Subramaniam S S; Nagalla S R; Renganathan V
CORPORATE SOURCE: Department of Biochemistry and Molecular Biology, Oregon Graduate Institute of Science and Technology, Portland, Oregon, 97291-1000, USA.
SOURCE: ARCHIVES OF BIOCHEMISTRY AND BIOPHYSICS, (1999 May 15) 365 (2) 223-30.
Journal code: 6SK. ISSN: 0003-9861.
PUB. COUNTRY: United States
Journal: Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals; Cancer Journals
ENTRY MONTH: 199908
ENTRY WEEK: 19990803

L10 ANSWER 3 OF 3 MEDLINE DUPLICATE 3
AB An ***expression*** ***library*** was generated by partial Sau3A digestion of genomic DNA from the ***thermophile*** Bacillus thermocatenulatus and cloning of DNA fragments in pUC18 in Escherichia coli DH5alpha. Screening for lipase activity identified a 4.5...
ACCESSION NUMBER: 96249493 MEDLINE
DOCUMENT NUMBER: 96249493
TITLE: Thermoalkalophilic lipase of Bacillus thermocatenulatus. I. molecular cloning, nucleotide sequence, purification and some properties.
AUTHOR: Schmidt-Dannert C; Rua M L; Atomi H; Schmid R D
CORPORATE SOURCE: Institut für Technische Biochemie, Universität Stuttgart, Germany.
SOURCE: BIOCHIMICA ET BIOPHYSICA ACTA, (1996 May 31) 1301 (1-2) 105-14.
Journal code: A0W. ISSN: 0006-3002.
PUB. COUNTRY: Netherlands
Journal: Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals; Cancer Journals